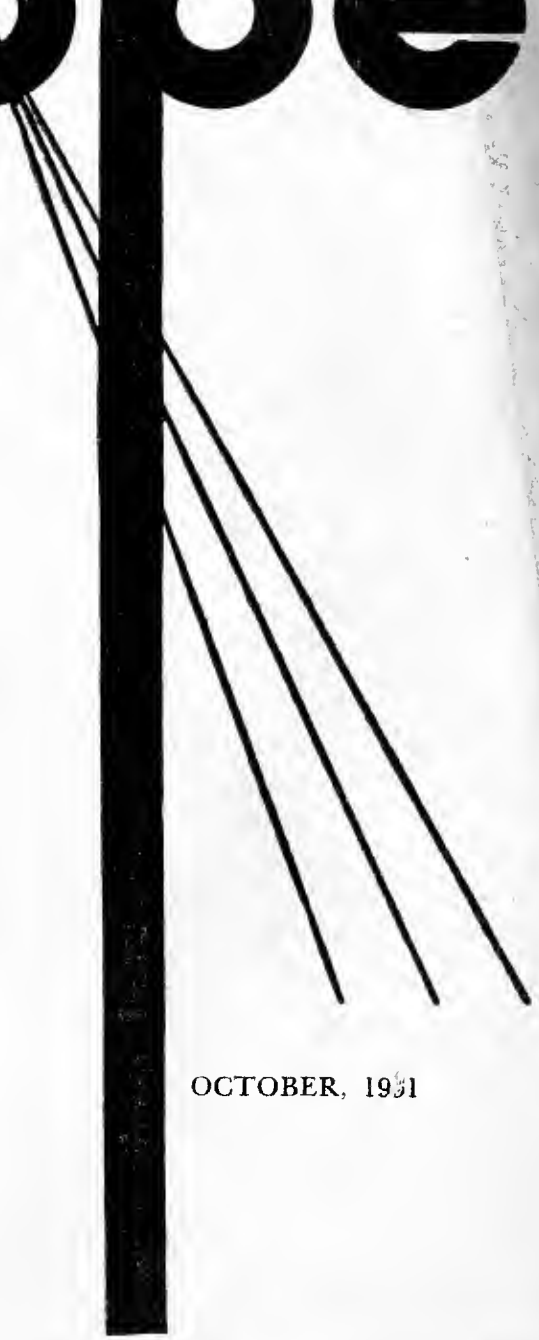
The Scope



OCTOBER, 1951

PUBLISHED BY THE STUDENTS OF THE MASSACHUSETTS COLLEGE OF OPTOMETRY

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THE SCOPE

Volume XXII

Number 5

OCTOBER, 1951

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3 Methods of Correcting Vertical Imbalance

. . . with AO TILLYER BIFOCALS

If the distance correction is different in the two eyes, there may be a difference in vertical prism at reading level. (Normal reading level lies from 4 mm. to 11 mm. below optical center of lens.)

For Example:	**Rx**	**O.D.**	**+4.00D**
		O.S.	**+1.00D**
	Add	**O.U.**	**+2.00D**

Assume patient reads normally at 7 mm. below optical center of distance lens (4 mm. below segment top).

Then: $\frac{+4.00 \times 7}{10} = 2.8^{\Delta}$ **B.U.**

$\frac{+1.00 \times 7}{10} = .7^{\Delta}$ **B.U.**

Vertical Imbalance = **2.1$^{\Delta}$**

To correct this amount of Vertical Imbalance requires 2$^{\Delta}$ B.U. in left eye, or 2$^{\Delta}$ B.D. in right eye.

Refractionist may decide between three standard methods of correction for Vertical Imbalance:

1. **Use of vertical prism in segment**
2. **Use of slab-off type bifocals**
3. **Use of two different types of segment**

American Optical COMPANY

AO Rx Service can compute amount of vertical prism at any given reading level for any given prescription . . . AO Rx Service is prepared to use any of the three correcting methods which may be prescribed.

Ocular Symptomotology

Ralph H. Green, O. D., D. O. S., F. A. A. O.
Dean of the Mass. College of Optometry

We are proud to present the first of seven articles by Dr. Ralph H. Green on Ocular Symptomology. Reprint rights have been granted by the New England Journal of Optometry, where this paper was first published in 1949. *It is designed to assist the optometric student and reacquaint the practitioner with this topic. Copies of these articles may be obtained by writing to The Scope.*

OCULAR PAIN

Pain in the orbit (intra-orbital pain) and pain in the eyeball (intra-ocular pain)

Foreign Body:

The presence of a foreign body on the cornea or conjunctiva will produce pain. When the foreign body is on the conjunctiva of the upper lid, movement of the lid across the cornea will produce the sensation of pain. This pain is usually acute and constant and is accompanied by excessive lachrymation on the affected side, photophobia, and spasm of the eyelids.

Acute Conjunctivitis:

A sensation similar to that of a foreign body is experienced. The patient complains of a feeling of sand in the eyes. The pain is usually intermittent and may be accompanied by an increased and usually altered secretion (muco-purulent discharge), photophobia and spasm of the eyelids.

Trichiasis:

A cilium or several cilia may be directed toward the cornea. This produces an irritation of the cornea and a continuation of this irritation of the cornea may produce a corneal ulcer. The pain then may be due to either corneal irritation or corneal ulceration or both.

Chemical Trauma:

Severe pain may result from lime (mortar or quick-lime), molten metals, powders, soap, ammonia, carbolic acid, etc. This is especially serious because of the deformity which subsequent contraction is likely to produce, or because of the development of a symblepharon or corneal scarring. Ulceration of the cornea and even panophthalmitis may result.

Glaucoma:

In acute attacks of glaucoma the pain is a severe neuralgia of the trigeminal distribution, and often in violent conjestive cases, an intense agony associated with great depression, pallor of the face, nausea and vomiting. In sub-acute attacks there is a less marked, similarly located pain. In chronic cases there may be only a feeling of discomfort, a sense of fulness, and occasional shoots of neuralgia. The pain is a deep intra-ocular one and tends to radiate to the forehead.

Deep-seated Inflammation:

In cases of acute iritis and cyclitis severe pain is present. The intra-ocular inflammation may be secondary to a previous eye infection or it may be caused by some disease of the body of which the patient may or may not have knowledge. In iritis and cyclitis the pain is situated first in the eyeball and second in the brow and temple, very severe, throbbing and stabbing in character, and with marked severity during the night. Occasionally the nasal and intra-orbital regions are the painful areas. Pain in the teeth is not uncommon.

Mechanical Trauma:

Pain may result from abrasions, lacerations, ulcerations or perforations of the cornea.

Kerititis and Corneal Ulceration:

Severe pain is a prominent sign of kerititis and corneal ulceration. Herpes kerititis may produce a pain in the eye and brow and a feeling of sand in the eye. Bullae of the cornea produces a burning pain.

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Asthenopia:

Intra-ocular pain is often a symptom of uncorrected refractive errors, imbalance of the extra-ocular muscles, accommodation and convergence insufficiencies, incipient presbyopia, aniseikonia, and anisometropia.

Trigeminal Neuralgia: (irritation of the fifth nerve).

Trigeminal neuralgia may be associated with acute pain usually confined to one side of the face and following the distribution of the fifth nerve. The pain is intermittent like electric shocks, and the interval between attacks is free from pain.

Herpes Zoster Ophthalmicus:

Neuralgic pain precedes the formation of the vesicles. The eruption of vesicles follows the distribution of the branches of the trigeminus nerve.

Migraine:

The typical migraine attack may begin as a pain in the eyeball but gradually spreads to involve the entire side of the head.

Periositis:

This condition produces a deep-seated pain within the orbit. The pain is often worse at night. When the eyeball is pressed back into the orbit the pain is more marked.

Orbital Cellulitis (Phlegmon of the orbit):

This is a condition of inflammation of the cellofatty tissues of the orbit. In the acute form the pain is deep-seated. Movement of the eyeball increases the pain. In the mild form the pain is deep-seated and mild in character.

Retrobulbar Neuritis (Inflammation of the Orbital Portion of the Optic Nerve):

A moderate deep-seated pain may be experienced by the patient. The pain is more marked in eye movements. Pressing of the eyeball back into the orbit results in pain being more marked.

Tenonitis:

This is a rare disease of the oculo-orbital facsia. A mild deep-seated pain which becomes more marked on movement of the eyeball is experienced.

Sinusitis:

In acute and chronic forms of nasal accessory sinusitis moderate pain of the eyeballs is experienced.

Hysteria:

Pain may be referred to the eyeball in severe emotional disturbances. Any use of the eye tends to exaggerate the pain.

Cataract:

Intra-ocular pain, with rise of tension on account of swelling of the lens, occasionally occurs. Sometimes, owing to the condition of disturbed chorsia, which commonly is associated with cataract, patients complain of dull, aching pain in the eyeball.

The Entire Staff of

The Scope

Extends its Best Wishes

for a very successful year

Want to Practice Optometry?

by Bernard Bernstein

As a regular feature of *The Scope* this year, in each issue will appear brief resumes of several state requirements appertaining to the practice of Optometry. This is designed to give the students of M. C. O. an insight into the existing similarities or differences in each of the states' optometric laws throughout the nation.

For detailed information on a particular state's law, students may submit questions to *The Scope*. They will be answered in a subsequent issue, if at all possible.

Alabama—As of January 1947, internships of 3 months with a registered and practicing Optometrist is required. Applicants who fail the State Board examination may take another one 6 months after their first attempt. Advertising is prohibited except for new licensees who may distribute a "discreet professional" card for a 90 day maximum period after they have opened their practice. Applicants must be at least 21 years of age, a High School graduate, and a graduate of an accredited college of Optometry.

Arizona—Age and educational requirements are the same as for Alabama. Applicants must receive a grade of at least 75% in every subject in the examination before being licensed.

Arkansas—Applicant must be a bona fide resident of the state for at least one year prior to the taking of the examination. He must be a graduate of a "Class A" school of Optometry accredited by the American Optometric Association. He cannot advertise "free" services or use window displays of any nature. He cannot engage or be employed by an unlicensed person or corporation.

California—An applicant must be at least 21 years of age and a graduate of an accredited college of Optometry. He must receive a grade of at least 75% in every subject tested. If he fails the first examination he may take another examination for those subjects in which he failed to attain the required 75%.

Visual Progress

by Ira Schwartz

Optometry, if it is to progress like every other art and science, is in constant need of new ideas, instruments and techniques. However, far too few of the optometric profession have seen fit to take up the challenge and push back the borders of ignorance. This has caused a rather peculiar situation in that there are more men in professions other than optometry who are engaged in visual research. To put it more concisely and eloquently, in the words of Dr. Feinberg, Dean of N.I.C.O., "In a very real sense the maturity of our profession will be measured by the caliber of research that it emanates. Our schools have a responsibility to encourage graduate work and research. We need optometric research performed by Optometric personnel."

Now visual research does not necessarily mean a ten million dollar laboratory with white-coated personnel running around trapping light rays. Anyone who has seen the laboratories of Edison, Hecht, Miles, etc. soon realize that any darkened room with space for two people is a laboratory. The usual refraction room is a luxury.

In order to stimulate an interest in research we shall report on the work of those laboratories and individuals which come to our attention. Any contributions or criticism will be appreciated.

Kenneth Ogle of Mayo Clinic reports that the minimal angle of resolution of two point light sources, within the range of luminesence used, depends primarily on the contrast, irrespective of the level of the adaptive luminances. A minimal and constant value of the minimal angle of resolution occurs when the contrast is reduced below a fairly critical value.

Koomer, Scolnick, and Tousey of the Naval Research Lab, Washington, D. C., report that night myopia attained values of 1.5 to 2.0 diopters depending on the individual. This condition of myopia appeared when ac-

(*Please turn to page* 11)

MESSAGE TO NEW STUDENTS

by Dean Ralph H. Green

The Massachusetts College of Optometry this year has opened its doors to a group of new students for the forty-second time. Each new student was carefully selected for admission by the Faculty Committee on Admissions and by so doing the College accepts the responsibility of giving to each student the necessary opportunities for gaining a professional education.

The College admitted more new students this year than it did last year. This is especially significant because most institutions of higher learning have reported sharp drops in enrollments. This speaks well for optometry and for the College.

It is my feeling that the M. C. O. has attracted a group of young men who are worthy of the high quality of training they will receive here. The profession is anxious for all schools of optometry to supply the field with graduates who have received the finest training and education possible and in keeping with the many advances made in the science of vision.

This is necessary if the profession is to retain the attention and respect of the lay public. There must be a constant supply of new blood to keep the ranks of optometry filled. Optometry in general and its educational institutions in particular are charged with the responsibility of making available to the lay public the services of those best qualified to care for the ever increasing visual needs of the military and civilian population. To this end the College pledges itself.

All newly enrolled students assume a responsibility both to the profession and to the College. As students you are expected to contribute to the public welfare by applying yourself and taking full advantage of all the educational opportunities made available to you. So long as you have and keep this responsibility clearly fixed in your minds you should have no cause to fear the future as practicing optometrists.

Please accept the best wishes of the officers of administration and of the faculty for success and feel free to confer with any of us on any matter pertaining to your welfare.

It's Coming . . .

THE EYEBALL

P. O. S. and O. E. P. FRATERNITIES

THE SCOPE

Official undergraduate publication of the
MASS. COLLEGE OF OPTOMETRY
178 Newbury Street
Boston, Mass.

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The staff of *The Scope* was very sorry to hear that Leonard Zuckerbraun was unable to continue as Editor of the publication. His excellent work in publishing consistently fine magazines went relatively unnoticed, though certainly not unappreciated. Here's hoping that Len continues to be as successful in his future endeavors as he was in his former position.

From the Editor . . .

Another summer has rapidly sped by us and once again the walls of M. C. O. resound with, "Do you want to buy a . . .?", " . . . perceptually speaking,"—"Where is the near-point?", and even "What is the classification of the Rhipidistia?" For the next eight months almost all of our time and energy will be expended in answering these and similar questions and in preparing ourselves, clinically, for the profession which we have all chosen. But what is occurring outside these walls while we remain at school? Why is it that students of other professions, distant relatives, and newly-made friends continue to ask us: "Exactly what does the Optometrist do?" or "Why did you choose Optometry?" and even, but in a slightly hushed tone, "Are you a doctor?" I find that I cannot blame the public for their "obvious" ignorance concerning our functions and positions. The fault for this condition lies within ourselves, as does the solution. The word doctor carries with it a certain connotation which the layman recognizes. Remove that symbol and you eliminate your right to the word. Selling lenses and spectacles is a worthy and respectable occupation, but does it represent the countless number of hours and days which we spend in preparing ourselves for an optometric practice? An attractive display has always been a necessary factor in a retail business. Are we to identify ourselves as businessmen? The answers seem to me to be very obvious. As every other type of professional man, we must instill in the layman a confidence in ourselves and in our training. To do this, first we must show him that we have been trained. A satisfied patient carries with him the effect of thousands of words and hundreds of displays. Booklets on cancer, heart diseases, diabetes, etc. have, for example, informed the public of many of the functions of the medical practitioner. Why hasn't Optometry as a group done the same thing? An individual is ignorant only when he has not been taught. Isn't it our function to do that teaching? *A. S.*

Senior Slants

by Apartment 29

The year has finally arrived!! This is the year that the pieces of the jig saw puzzle are to be placed in proper order, the year that the class of '52 receives its final lumps of wisdom before entering into the mad world about us.

As has been customary in the past, several of our fellow students "took the plunge" this summer. We are, of course, referring to those about us who are seen, for a change, with clean shirts, ties, and shaven faces — those who are displaying the circular portion of a chain around their third finger, left hand. To start the list, the class would like to extend their best wishes to Victor Nasrallah and Charlotte Huntington. We also congratulate Dan Tarullo who captured the heart of our fair secretary, Ruth Yuzenas. Although he had to fight his way into the wilds of Pennsylvania. Irv Horwitz succeeded in finding a lovely native for a bride. Murray "Brute Force" Katz meekly begged and received the hand of a pretty Brooklyn Miss.—Murray, we understand that your cooking and washing has been improving under your wife's supervision. Henry Cohen, being envious of the expressions of contentment on his namesake's face, decided to see for himself, and chose one of the loveliest eligible women from the Boston area as his permanent partner. Last, but certainly not least, we have Irving Bloomfield. The truth of the matter is that we don't have him, for he now belongs to a charming lass from our back yard—Roxbury. Although his wife doesn't resemble Tom Vermes in the slightest manner, Mr. and Mrs. Bloomfield are reported to be very happy together. In conclusion, we would like to sum up our deepest feeling by saying "Tch, Tch!" And before we leave the subject of love, we want to mention that Marty "Two-Point" Borsky, and Teddy "Salami King" Goolst have announced their engagements. To these two we ask, "Where did you throw those address books?"

In response to popular demand an old-fashioned railroad election of class officers was held during a class meeting. After the gunfire and smoke had settled, O. B. Hill, who had vouched, "Oh no, not me!!" stood alone before all as the Senior Class President. As his able and equally lazy "vice-president" Dick Emery was chosen. To handle the money bags, Wally Taranto, noted bank robber, replaced Cusumano, the suave "con" man. After searching under the chairs and behind the doors, it was voted that Bill Rosselli had the "handwriting you love to read." The choices for the Student Council were Victor Nasrallah and Joe Chisholm. With these officers to guide us we feel certain that the class of '52 will go no place fast.

To start our last year off right, we would like to introduce some of our new instructors and hash over some of the old ones. We have been told that any shop clerk or girl can learn how to use the lensometer in fifteen minutes. As this goes to press, four weeks

(*Please turn to page* 14)

FLATTERER!

The brilliant new B & L Balrim for discriminating women

Some say there isn't a smarter frame on the market! Could be —the way orders keep pouring in. Triumph of style and construction, Balrim is Bausch & Lomb's unique combination of zyl and gold filled (1/10 12K) metal. Be sure you have it.

WILSON & HALFORD OPTICAL CO.

387 WASHINGTON STREET

BOSTON, MASS.

A Junior Speaks

by Philip B. Bern

This being the first issue of *The Scope* to appear at M. C. O. for the current academic year, I would like to take a moment to extend a very warm and cordial greeting to the members of the Senior, Sophomore and Freshman classes, the faculty and administrative officers, from myself and my fellow students in the Junior Class. We trust that this will be a successful year to all, especially for those who are enrolled in the optometric curriculum at M. C. O. for the first time.

Characteristically, we have entered this new academic year with eager minds. Shortly, all aspects of our daily lives will be noticeably shaded toward absorbing the inner workings, both the mathematical and the artistic, of our profession. However, it has become apparent to me, that there are many subjects not listed in any optometric curriculum, which are nevertheless equally important to us as future optometrists. One of these could conceivably be termed "Human Optics I", a daily twenty-four hour course designed to acquaint us with that complexity of tissue and bone which we call . . . Mankind. I allot this large amount of time to Human Optics without fear of it interfering with our various other courses, because it only requires a knowledge of its existence to pass with high honors. Week after week, and month after month I watch our "theoretical knowledge" in optometry reach new heights, and yet the question comes to mind, "How will this knowledge serve me when a patient is seated in my examining room?" He is not only awaiting the technical knowledge which you bring to him during the refraction, he is also awaiting the feeling of self-confidence and normality of vision which first prompted him to seek your professional aid. It is of utmost importance that the examiner is cognizant of this underlying factor. We occupy a large portion of our studies with courses in Anatomy and Physiology, Pathology, Histology and others that deal with the human body. It is a simple thing to see how complex and interrelated are the various functions and portions of that body. With this realization in mind, how can we possibly perform a refraction upon such a creature with only the inadequacies of our instruments as a guide? I believe that this comprehension, this insight, this ability . . . to reveal the basic cause of your patient's discomfort is an essential and integral part of your next Rx. Without it, the patient is laboring under the handicap of poor optometric procedure.

Recently I met a middle aged man with serious and extremely uncomfortable asthenopic symptoms. I learned that he was quite upset over a family problem which had noticeably affected and changed his otherwise calm and unpretentious way of life. He visited his optometrist seeking relief. The examiner in this case, Dr. X, could find no appreciable change in the patient's Rx. He made no attempt to approach the case from a personal aspect but could only review his cold mathematical computations, seeking a possible error. The patient left his office with the same visual problem. I later learned that he was able to solve the aforementioned family problem, and shortly afterward his asthenopic symptoms disappeared. However, the patient was forced to undergo the suffering and anxiety which might have otherwise been averted by a "humanistic" examination.

As students, we learn that there is a physical and psychological aspect to vision. Let us not minimize or forget the importance of the latter. In doing so, we are creating a void in our examining procedures. We must treat the patient as a "Gestalt" and root out this vital information. Information which may or may not alter the actual prescription, but which can aid the patient toward new seeing habits, and new pleasures in comfortable vision. Let us really give . . . "visual care."

Sophomore Ramblings

by Sid Green and Joe Sica

Although promising young optometrists of the future, the Messrs. Green and Sica have undertaken the task of writing a column concerning their own and their fellow classmates' fortunes during the sophomore year at M. C. O. Casting aside their lenses, prisms, and mirrors for a short spell these two energetic young chaps have taken to the confines of the typewriter and the pen.

As Dr. Kuhn so nicely put it, it's great to see so many familiar faces back again for another session of school. We also would like to take this opportunity to congratulate the new members of our class on their decision to enter optometry college. We only hope that after a few lectures by one of our illustrious doctors you will still have the same outlook towards your chosen field of endeavor. We're glad to have you with us, and always bear in mind our little motto: "Co-operation means graduation."

Many of us are already beginning to wonder whether this year is bringing us closer to becoming optometrists or nearer the walls of debtors' prison. But as we all know, or at least we should know, nothing in this world comes easily to anyone, and the expense that we have to meet now will be well worth it in the final outcome. So let us look at the coming year with a merry outlook, and as Jerry Lewis puts it, "I like it? I like it?"

We would like at this time to convey a message to one of our fellow classmates who is now doing a tour of duty for Uncle Sam. From the sophomore class to Mr. Fred Doucette: "Congratulations on your marriage Fred and hurry back, the boys miss you."

A suggestion has been made to hold a new course for the sophomores. It seems that a lot of the boys are having their troubles getting accustomed to the tedious note-taking task that has befallen our little clan. For this reason it has been brought to our attention to try to install a finger-flexing exercise course before entering certain classes. If this cannot be done we might try the mechanical hand, or some such fiendish device.

It appears to us that the renowned "back row" has taken a new lease on life. This is due mainly to the fact that they are now one step further towards the road of opportunity and success. Keep up the good work men.

At this time we would like to thank the editor of our little newspaper for having bestowed such a highly honorable position upon us. We also would like to thank brother George Milkie for his able assistance in putting this column together. Though we never intend to become Drew Pearsons we would like to start an innovation in our column. As Drew Pearson so methodically places his predictions of things to come to his readers, so we, too, are going to make our monthly predictions.

Predictions for the Month of November.

1. There will be no classes the twelfth of November.
2. There will be classes the thirteenth of November.
3. The glee club will sing (?) at their next rehearsal.
4. Final exams will be given at the end of the semester.
5. We will get 2 days off for Thanksgiving.

Freshman Review

by Henry Levin and Al Mastrobuono

The sun smiled down on the new freshman class entering Massachusetts College of Optometry's beckoning portals, on a September day in 1951. This was no ordinary class for it contained graduates and students who had attended liberal art colleges.

Gentlemen, we already have three weeks behind us. If you can force yourself to wade back through a maze of coordinates and Zoological enlightenments, you must admit that the first impressions were very good. Sure, there were the usual gripes involving some courses and other minor difficulties, but the excellent attributes of the college far outnumbered the few inconveniences.

During the first few weeks, representatives of two fraternities of the college approached us in order to acquaint our class with their respective frats, and their roles in the academic and social life of the college.

Toward the end of the second week of school, Dr. Green, Dean of our school, gave the newcomers some important general and useful information about the college. He explained the student counciling plan, which is a unique service of the college, and which will be of great help to all of us in the years ahead. Dr. Green also stated that we are now in professional school and we must adjust ourselves by showing an air of professionalism. Questions were then answered by Dr. Green in order to clear up some pertinent points.

On Monday noon time, October 8, elections for freshman class officers were held. The affair was conducted very efficiently, thanks to class behavior and enthusiasm, and to the very capable seniors who supervised.

These were the results:

President	John M. Gould Jr.
Vice-Pres.	Paul Taylor Jr.
Treas.	Rocco Marzelli
Student Council	Lee Eastman
	William Fehrnstrom

Some day we shall look back to these first few awkward days when we were groping for sure footing and feel the sense of security and usefulness that only a school as ours can bring.

VISUAL PROGRESS

(*Continued from page* 5)

commodation was prevented by optical method and when paralyzed with homatropine. Thus accommodation was not a significant cause of night myopia. Further work points out that night myopia is primarily a result of uncorrected spherical aberration of the eye.

The International Commission of Optics has proposed a standardization of sign convention for Geometrical Optics. This will of course eliminate confusion in reading texts and published articles. We are happy to note that the sign convention taught at M. C. O. is in keeping with the proposed convention.

The American Optical Company reports a new innovation in perimeters. The Brombach Perimeter will henceforth be made with a felt arc.

THE BIRTH OF FREEDOM

By Richard Knecht

Arrows surging upward
Pierce the womb of night;
Finally wound your heart,
—Sending shivers downward.

Hands floating higher,
'Round moonlit hills of mystery,
Tease the pouting stars,
And send the comets swirling.

Two whirling bodies,
Within the Milky Way,
Crash in silence,
And melt into flame.

(*Please turn to page* 14)

Omega Epsilon Phi

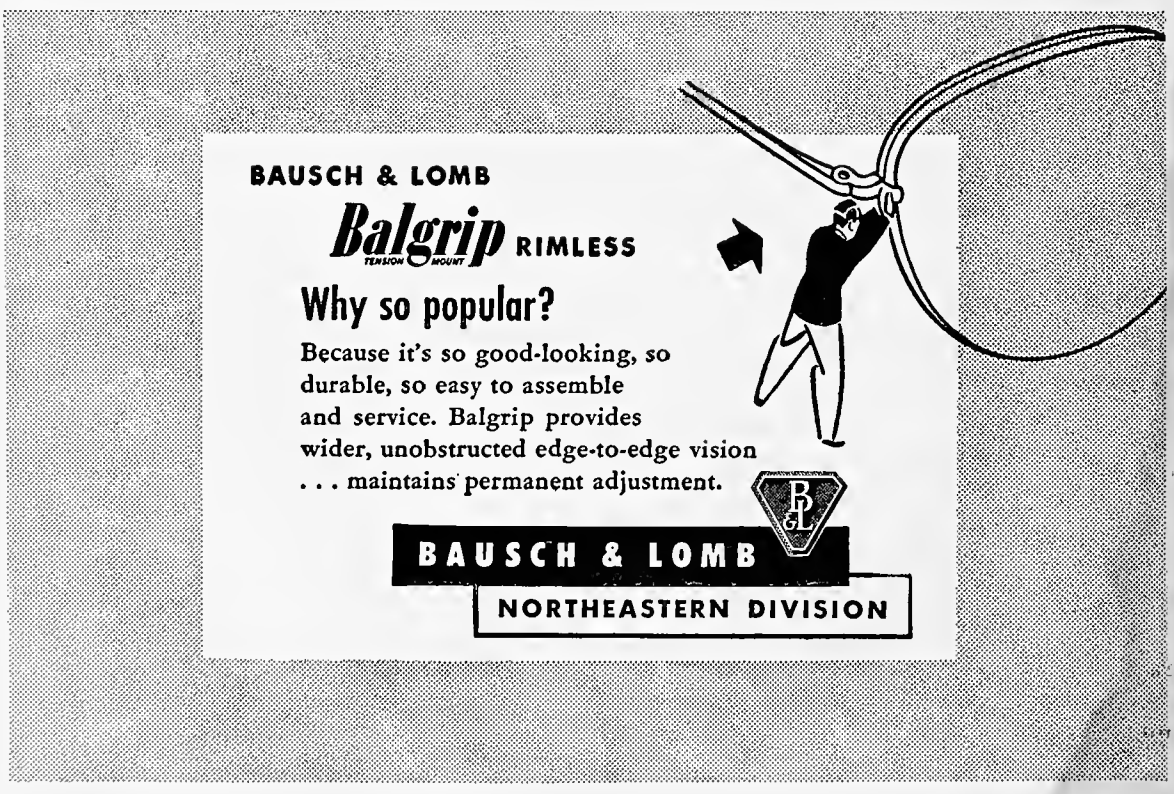
by J. L. Springer

On the opening of the new school year, *Zeta Chapter* of *Omega Epsilon Phi* extends greetings to all students, both old and new, with the wish that this coming year shall be a successful one. To all new students we extend congratulations on being accepted to M. C. O., and we hope that they find everything they are seeking in Optometry.

As usual, the first event on *Zeta's* schedule was the annual Smoker held October 18th at Hotel Lafayette. Although this is being written before the Smoker was held, there's hardly any danger of climbing out on a limb by saying that there was a large turnout of students, alumni, members of the faculty and that the affair was a success. Thanks are in order to the committee who planned and worked so diligently so that the 1951 Smoker can be considered the best in the history of the *Zeta* Chapter. As yet it is impossible to go into any detail about future social events, but as in past years a full schedule of dances and parties is being planned. The lecture program for the coming year is also being worked on, and it will be in this area that *Omega Epsilon Phi* will take full advantage of its dual personality—that of an undergraduate chapter of a national organization.

While on the subject of national organization perhaps it would be a good idea at this point to review the aims of fraternal organizations—in particular *Omega Epsilon Phi.* There is no question that among the basic aims of any fraternity is the fostering of the spirit of comradeship through meetings and social events. These functions are not overlooked by the local undergraduate and grad-

(*Please turn to page* 14)



Pen-notes Of Significance

by Gil Friedman

When in the course of human repair it becomes necessary for a group of (and catch this, Dr. Carvin) Haversian Systems to band themselves together there is, eventually, and they tell me, a time when all fractures take on the appearance of normality. I don't know; I have my doubts. Perhaps I'd better go back to Beth Israel Hospital, although I doubt if they'll have me. And any ludicrous remarks concerning that riot in Ward 5-D being due to me are, and I say this with a twenty diopter cataphoria, true. Well, that eliminates Deaconess and Beth Israel hospitals—who's next.

After spending a most intoxicating summer in that peninsular state of hysteria, whoops. pardon me Chamber of Commerce, *Florida*, I return to see there have been some changes in Boston and its southern province, Brooklyne; I think that's how the Bostonians spell it. Uncle Milty Insnik's daughter became three months older, the Catskill Rosselini's returned, Brother Knecht is progressing better and is now a Commercial Artist, little Nissensohn is bouncing harder on big Nissensohn's knee, ex-chancellor Dr. Abe Gottesman is a proud pap, and Bill Meyers finally worked this summer.

Well, now that Bobby Doerr and I have hung up our uniforms, with him retiring to a cattle farm and raising calves and me eventually returning to my country plantation under the swaying palms watching calves, we of Pi Omicron Sigma Fraternity wish to welcome all of you new students as brothers of Massachusetts College of Optometry with the intended desire to make you comfortable and to integrate you as a professional student.

Pi Omicron Sigma has another fine program of social and academic activities this year starting off with its Thirty-ninth Annual Smoker to be held at the Hotel Brunswick. The rest of the year will be highly sparkled with a series of lectures of optometric and ophthalmologic importance. Our first social event of the year will be the Poverty Party on Saturday, November 3, 1951. This year we plan to have it better than ever. To you students who are not aware of the ocular complications of the Poverty Party, be prepared to wear ten pound sash-weights on the lower eyelids, and don't forget to inject your date's conjunctival sac with mercurochrome, or so help me, it'll cost you.

We now solemnly bow our heads in silent reverence to those of our once proud bachelor clan who have passed beyond the realm of singleness or are planning as such: Victor Nasrallah and Charlotte Huntington — married and plan to reside on the Mason-Dixon Line to prevent any secession of Massachusetts from the *Confederacy* (you Yankees will get it this year); Irv Bloomfield, after buying 50 shares of New England T&T, finally married Meriam Golden; Henry Cohen of Dorchester married Frieda Medcoff of Cambridge and moved to Brighton (no complications); Murray Katz (*a* as in *AH)* decided to quit supporting Connecticut cops and the Standard Oil Co., so he married Muriel Leffke; Lew Rabinowitz and Bunny Cohen are expecting in June (marriage—that is); and Teddy Goolst traded two pounds of salami and a pound of lox (not lux) for an engagement ring to Ruth Forman.

Congrats to all and may your troubles be in fives; the state pays for your mistake.

O. E. PHI

(*Continued from page* 12)

uate chapters. The fact remains though, that as important as these functions may seem, for a professional organization they are only superficialities. For any profession to exist it must be dynamic. Therefore a national professional organization such as *Omega Epsilon Phi* might be concerned primarily with Optometry as a profession. Its method in the past has been to actively cooperate with Organized Optometry both on the local and national levels. The present plan is to intensify these activities. At no time will *Omega Epsilon Phi* compete with Organized Optometry. Its only aim is to complement any program that is started and to operate in fields which are not practical for Organized Optometry to enter. One of these fields is concerned with the formal education of its members. Needless to say, the learning process must continue after graduation. *Omega Epsilon Phi* lecture programs, both on the local and national levels, have the goal of presenting its members with the latest advances made in the field so that they as individuals and Optometry as a profession may be benefited. More will be written on this subject in future articles.

The refurnishing of the frat room has been completed. The room now offers excellent facilities for meetings, study and just browsing. Those who spent so much time and energy working to bring the room up to its present standards are to be complimented. A special thanks to the College and Mr. Gross for their fine cooperation. The next several meetings will be open to all new and old students who have not joined a fraternity. Meeting dates will be posted in the various classrooms.

WHIRLPOOL *by Richard E. Knecht*

Blond lashes part
On saphire orbs,
To dazzle souls
Whose glance they fall.

SENIOR SLANTS

(*Continued from page* 8)

later, we're still learning. We have found that it has many practical values, *e.g.* candling eggs, marking playing cards, and determining whether bull's eye in fried eggs will come out an O. C. or G. C. pattern.

"Easy Joe" Wright's absorption curves still resemble the paths of bombs and Lincoln convertibles.

Dr. March has brought up the controversial issue of the standardization of fees. One opinion on the matter is—$5 per diopter of Myopia, $3.75 per diopter Hyperopia, and $.50 per quarter diopter of Astigmatism. These rates agree with the OPS and Shady Optical standards. It is apparent to those attending "Orthoptics" that the course can be summed up with "Perceptually speaking, we perceive with our perceptors on a perceptual level." Huh? Dr. Bruce has extended an invitation to the class to have lunch with him at the Katz residence in the Embassy Hotel. There is only one stipulation, I am told—don't forget to bring your rubber tubes along.

Before ending, we would like to welcome Dr. Cabitt into our crowded midst. We hope, that before too long he will come to know and love us as the rest of our instructors do!

THE BIRTH OF FREEDOM

(*Continued from page* 11)

Time and Spectors look,
But never see
The molten mass
That pass before their eyes.

The sacred love
That holds us fast,
Unites the bonds
That make us one.

The birth of freedom
(Clean, fresh, and sparkling),
Is our child
Of innocence.

Our souls now soar
Above the clouds,
And leave our guilt
Below, to pine.

"UNQUOTE"

by Seymour Fenster

For some time I have felt a need for this article. As vice-president, treasurer, and minor share holder, I feel that the intelligent, future Optometrists at the Massachusetts College of Optometry should have full information at their finger tips about something that is bigger than all of us, a new national institution — The Shady Optical Company.

The Shady Optical Company dates back to the year one B.G. (Before Graduation). It is believed to have been founded by the eminent "Sleeper". Its start was very slow, it handled items such as double convex or concave lenses borrowed from the Optics Laboratory, "mush" that could be given to dogs or Geometrical Optics students, slightly used Transposition Rules, and lenses with varying-sized chips. Towards the end of the school year, the management of the firm passed on to the hands of my partner and myself. The Sleeper, it seems, was caught sleeping. Our first move was to obtain the items that would be needed by those about us, and those to come. Our first major enterprise was a unique item which we called the Shady Tool Kit. This kit contains the usual amount of pliers, reamers, drills, etc. required by the Ophthalmic Department; in fact, everything is the same except that with our tool kit the frame, pads or temples are left untouched in fitting—with our kit you mold the patient's face, e.g. nose too long, cut off a piece; cheeks too high for the lenses, drill a groove in the cheeks so that the lenses fit snugly. For some reason this item is not selling as fast as it should. Another choice item we introduced was Unaberrated Human Eyes manufactured by the Radialchromaticodistortioncoma Astigmatic Corp. Before this ocular prosthesis can be inserted, three drops of Ocular-cellulitis solution (also supplied by Shady Optical) must be instilled through each nostril.

With the closing of school, the company was temporarily disbanded with both partners traveling south. After a pleasant vacation I arrived once again in Boston, met my other half, and again "Shady Optical rode the waves". This year our plans and aspirations are limitless; I had been fortunate enough to collect several Ecchymatic Eyes which would make beautiful gifts for professional men, three Chalazions, two half-ripe Hordeola, and one slightly imperfect Naso-Lachrimal Sac (secon), all of which are indispensible to the incoming freshman. Realizing the ocular problems which are resulting from watching television instead of studying, we have devised a Shady Tinted lens which, in shade F, absorbs all wave lengths evenly permitting no transmission. Our other shade, R, permits only the ultra-violet wave lengths of 330 millicrons or less to enter the eye. This way the maximum output of the modern television tubes are fully utilized. Our research department is working on a set that will have only beautiful dancing girls televised, twenty-four hours a day. It would have been perfected by now, but I can't take my eyes off the girls.

You now have adequate information on the origin, plans, and functions of the Shady Optical Company. Although the organization is young and small, it is still growing. Our aim is to please ourselves, and possibly the customers. In finality, I would like to leave you with our motto which I think is quite appropriate: "Our Deals are Strictly Shady".

PRESS RELEASE ON U. M. T.

Chief Information Officer
Washington, D. C.

The 1951 Amendments to the Universal Military Training and Service Act provide that any registrant who was in a deferred classification on June 19, 1951, or who was thereafter placed in a deferred classification shall remain liable for training and service until he reaches the age of 35. Therefore, any registrant deferred now as a student will be required, if physically fit, to serve two years in the armed forces sometime before he becomes 35.

Food for Thought

In 1923 a very important meeting was held at the Edgewater Beach Hotel in Chicago. Attending this meeting were ten of the world's most successful financiers. Those present were:

The president of the largest independent steel company;

The president of the National City Bank;

The president of the largest utility company;

The president of the largest gas company;

The greatest wheat speculator;

The president of the New York Stock Exchange;

A member of the president's cabinet;

The greatest "bear" in Wall Street;

Head of the world's greatest monopoly;

President of the Bank of International Settlements.

Certainly we must admit that here were gathered a group of the world's most successful men. At least, men who had found the secret of "making money". Twenty-five years later let's see where these men are:

The president of the largest independent steel company—Charles Schwab—died a bankrupt and lived on borrowed money for five years before his death.

The president of the greatest utility company —Samuel Insull—died a fugitive from justice and penniless in a foreign land.

The president of the largest gas company—Howard Hobson—is now insane.

The greatest wheat speculator—Arthur Cutten—died abroad, insolvent.

The president of the N. Y. Stock Exchange—Richard Whitney—was recently released from Sing Sing Penitentiary.

The member of the president's cabinet—Albert Fall—was pardoned from prison so he could die at home.

The greatest "bear" in Wall Street — Jesse Livermore—died a suicide.

The head of the greatest monopoly — Ivar Krueger—died a suicide.

The president of the Bank of International Settlement—Leon Fraser—died a suicide.

All of these men learned well the art of making money, but not one of them learned how to live.

WHEN OPTOMETRY LAWS WERE ENACTED IN THE 48 STATES

1901—(1) Minnesota
1903—(2) California; (3) North Dakota
1905—(4) Oregon
1906—(5) New Mexico
1907—(6) Arizona; (7) Montana; (8) Idaho; (9) Utah; (10) Tennessee; (11) Indiana; (12) Nebraska
1908—(13) New York
1909—(14) Vermont; (15) West Virginia; (16) North Carolina; (17) Delaware; (18) Maine; (19) Washington; (20) Iowa; (21) Rhode Island; (22) Kansas; (23) Michigan; (24) Florida
1911—(25) Oklahoma; (26) New Hampshire
1912—(27) Massachusetts
1913—(28) South Carolina; (29) Nevada; (30) Colorado; (31) Connecticut
1914—(32) Maryland; (33) New Jersey
1915—(34) Arkansas; (35) Wisconsin
1916—(36) Virgina; (37) Georgia
1917—(38) South Carolina; (39) Wyoming; (40) Pennsylvania
1918—(41) Louisiana
1919—(42) Ohio; (43) Illinois; (44)Alabama
1920—(45) Mississippi; (46) Kentucky
1921—(47) Missouri; (48) Texas
1924— District of Columbia

Territories and Islands having Optometry Laws: Alaska, Hawaii, Puerto Rico.